

Waterfront Maintenance Note Number 13**MK 137 Decoy Launcher System Refurbishment Procedure**

- Ref:
- (a) NSWC 8397/MK 137 Refurb, DTD 24SEP01, ORIG., IMA Refurbishment Procedure For MK 137 MODS 1, 2, 4, 5, & 6 Launchers
 - (b) SW393-A1-MMM-010 Change K, Launching System, MK 36, Mods 1, 2, 5, 6, 8 Through 12
 - (c) S9086-VD-STM-010 Chap. 631, Rev 2, Preservation Of Ships In Service
 - (d) ND0051 Notice Of Revision (NOR), MK 137 Mods 1, 2, 4, 5, 6 Launcher, 5.125 Inch, NSWC, Port Hueneme Detachment, Louisville
 - (e) MIL-C-24712A, Coatings, Powder (Metric)
 - (f) COMFLTFORCOMINST 4790.3 rev A, Wire Removal and Replacement Form MAT-2
 - (g) MIL-STD-001303C, Painting Of Naval Ordnance Equipment
 - (h) 4741/M-7R MRC, Clean, Inspect, and Lubricate Launcher
 - (i) 4741/S-1R MRC, Clean, Inspect, and Lubricate Locking Clamp Assembly and Junction Box
 - (j) 4741/S-3R MRC, Perform Pre-loading System Functional Checkout
 - (k) 4741/S-4R MRC, Perform Pre-loading System Functional Checkout
 - (l) 4741/R-3 MRC, Clean Launch Tube Components
 - (l) 4741/U-1, Perform Corrosion Control on Painted Surfaces, and Hardware.

1. Purpose: To establish procedures for scheduling a MK 137 Decoy Launcher refurbishment.

2. Background: A launcher refurbishment should normally be accomplished between 4 - 6 years. Launcher turn-around time takes 2 to 3 weeks depending on the number of launchers. Launcher refurbishments will not be accomplished for the purpose of replacing corroded hardware. If launcher hardware is corroded, perform MRC IAW ref m.

3. Procedure:

a. Ship's Force (S/F) shall:

- 1) Submit one 4790/2K (2K) per launcher for refurbishment during ship's maintenance availability. Recommend ship

also submit one 2K and sample for each new launcher cover.

- 2) Accomplish maintenance IAW refs i, and j or k as applicable.
- 3) Tag out MK 137 decoy launching system in accordance with ref l, remove all base bolts, and electrically disconnect launcher from ship.
- 4) Once launchers are removed, sand launcher mounts down to bare metal and coat with formula 150 primer IAW ref c. Once primer has dried, cover with plastic to ensure a clean surface is maintained. Ensure all wiring is properly labeled IAW ref f, bagged, and sealed to ensure no water intrusion occurs. Do not use needle gun or grind on mount. Do not paint primed surface.
- 5) Assign one technician for temporary duty at SERMC for duration of tear down, refurbishment, and rebuild of launchers. This valuable training experience will provide in-depth knowledge on the proper procedures for maintenance of the decoy launcher system.
- 6) Ship's Work Center Supervisor or LCPO shall observe bench test at SERMC IAW ref a, to be witnessed by SERMC Quality Assurance Inspector (QAI) and Work Center LCPO.
- 7) Assist in the transportation of refurbished launchers back to ship.
- 8) Electrically and mechanically reconnect launchers.
- 9) Coat all reinstalled bolts with polysulfide to protect against topside elements.
- 10) Clear safety tags.
- 11) Perform an operational test of launchers IAW refs j or k as applicable.
- 12) Return system to normal operation.

b. SERMC shall:

- 1) Coordinate all crane services.

- 2) Repair all MK 191 Mod 0 test cartridges. Test cartridges are covered under ship's blanket 2M jobs. No 2K is required.
- 3) Transport launchers from/to ship.
- 4) Overhaul/refurbish launchers IAW refs a, b and d.
- 5) Observe all required pre/post refurbishment maintenance requirements and record results in the FWP, pre-refurbishment report, and post-refurbishment report.
- 6) Provide oversight and guidance to S/F throughout the process.

4. Points of Contact: For further guidance or information, contact the Electronic Warfare Repair Shop (code 956I) at 904-270-5126 x3291.